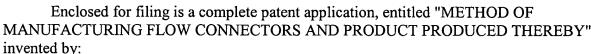
UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	010355-9136		
	First Named Inventor		
	Thomas R. Headley		
Express Mail No.	ET924009919US		

Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:



Thomas R. Headley 02919 County Road 1250 Bryan, Ohio 43506

and including the following documents:

Specification including Claims - 13 pages
Abstract of the Disclosure
Drawings - 6 sheets
Return Receipt Postcard
Declaration, Power of Attorney
Cover letter for assignment
Assignment

Information Disclosure Statement including copies of the cited references

The filing fee has been calculated as shown below.

	(1) FOR	(2) NUMBER FILED	(3) NUMBI	ER EXTRA	(4) RATE	(5) BAS	SIC FEE
	TOTAL	FILED					\$750.00
	CLAIMS 25 - 20		= 5		X \$18.00	=	\$90.00
	INDEPENDENT CLAIMS	3 - 3		= 0	X \$84.00	=	\$0.00
				TOTAL FIL	LING FEE		\$840.00

Please use Figure 1 for front page of published application.



Please include Assignee name and address in published application as follows:

Ingersoll-Rand Company Woodcliff Lake, New Jersey

Charge Deposit Account No. 09-0260 for any fees associated with this communication. A duplicate copy of this sheet is enclosed.

☑ Customer Number / Bar Code Label

23585

Respectfully submitted,

July 17, 2003

Leon Nigohosian, Jr. Reg. No. 39,791

Michael Best & Friedrich LLP 3773 Corporate Parkway, Suite 360 Center Valley, Pennsylvania 18034 Tel. 610-798-2176